Andersen Simulation Cente

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Joseph P. Miller
LTC, MC, USA
Medical Director

Andersen Simulation Cente

To Date 30 April 2004:

Year	Individuals Trained	Training Hours
2002	304	No Data
2003	1117	3058
2004	1083	2510

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2003	1117	3058
2004	1083	2510

- 2004 Estimate:

  4332 Training Episodes

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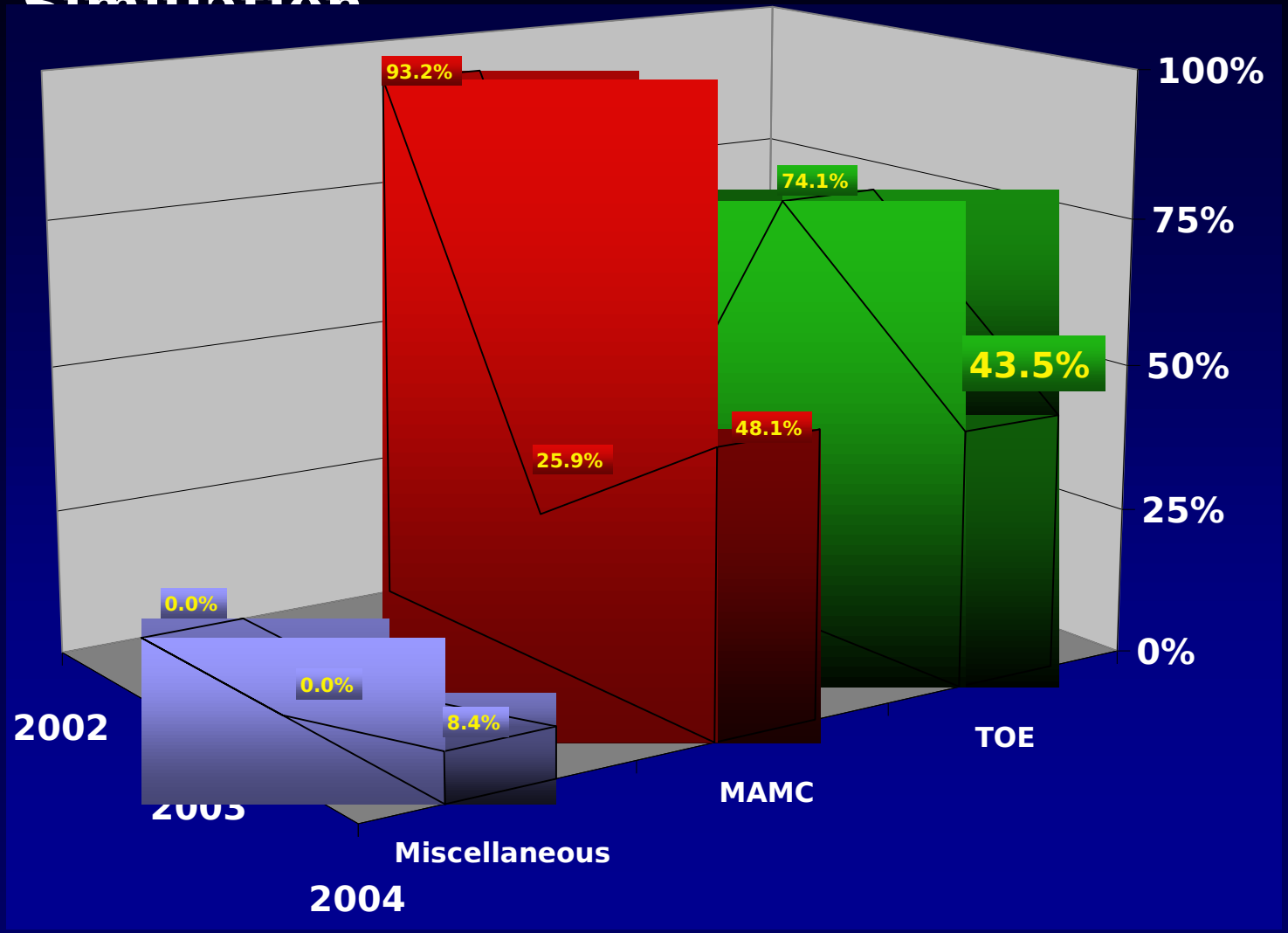
Patient Simulation



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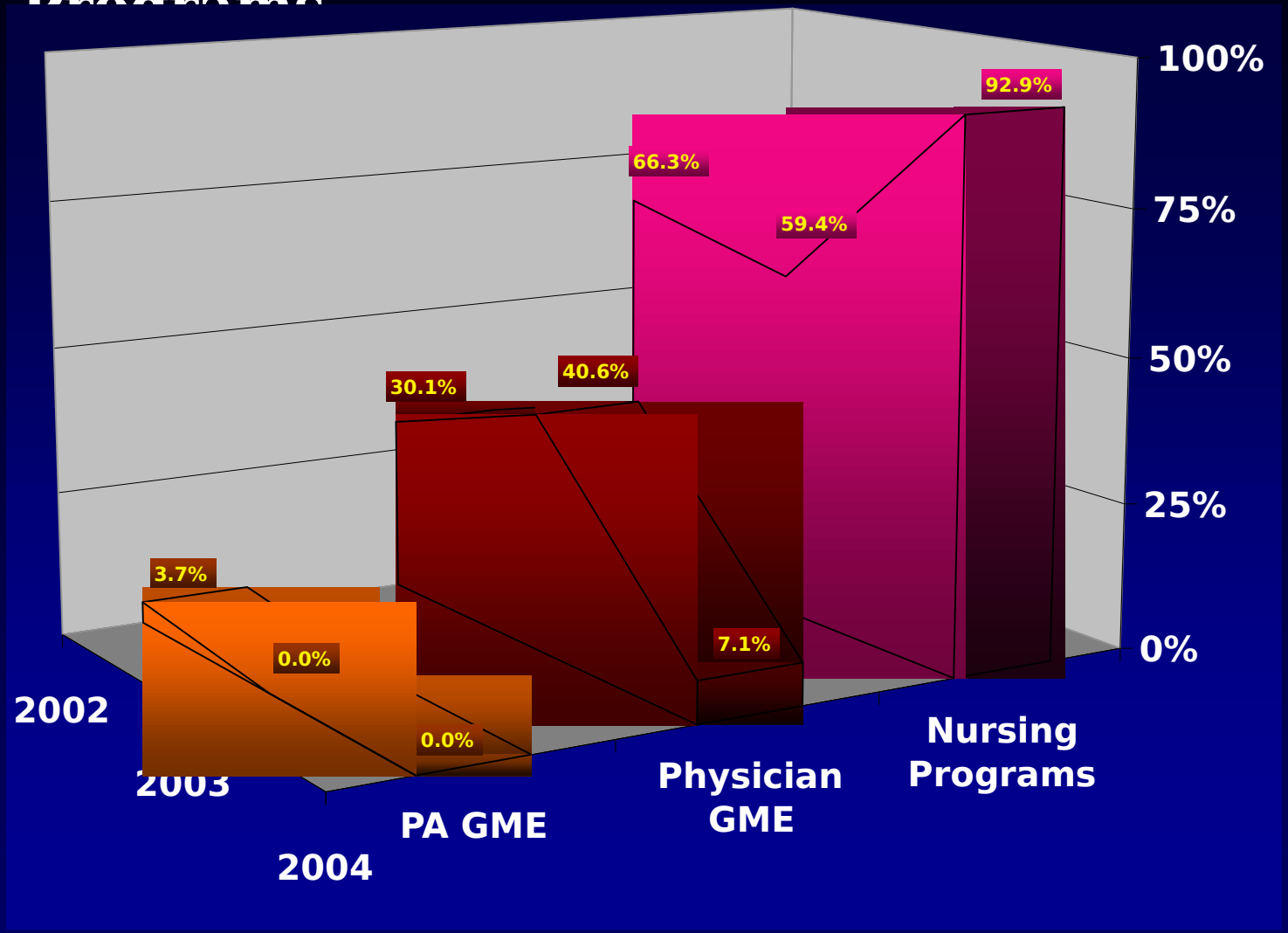
MAMC Programs



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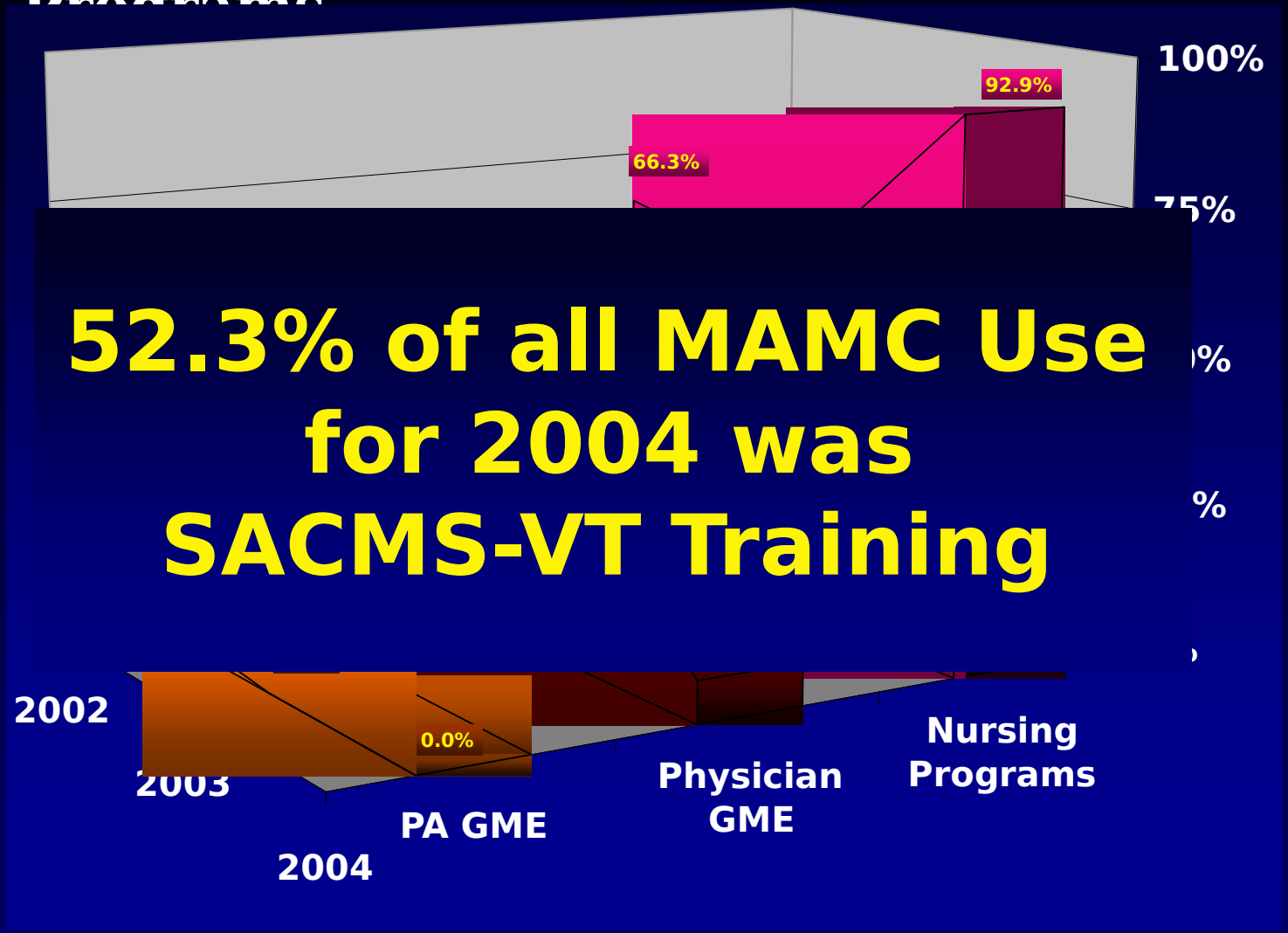
MAMC Programs



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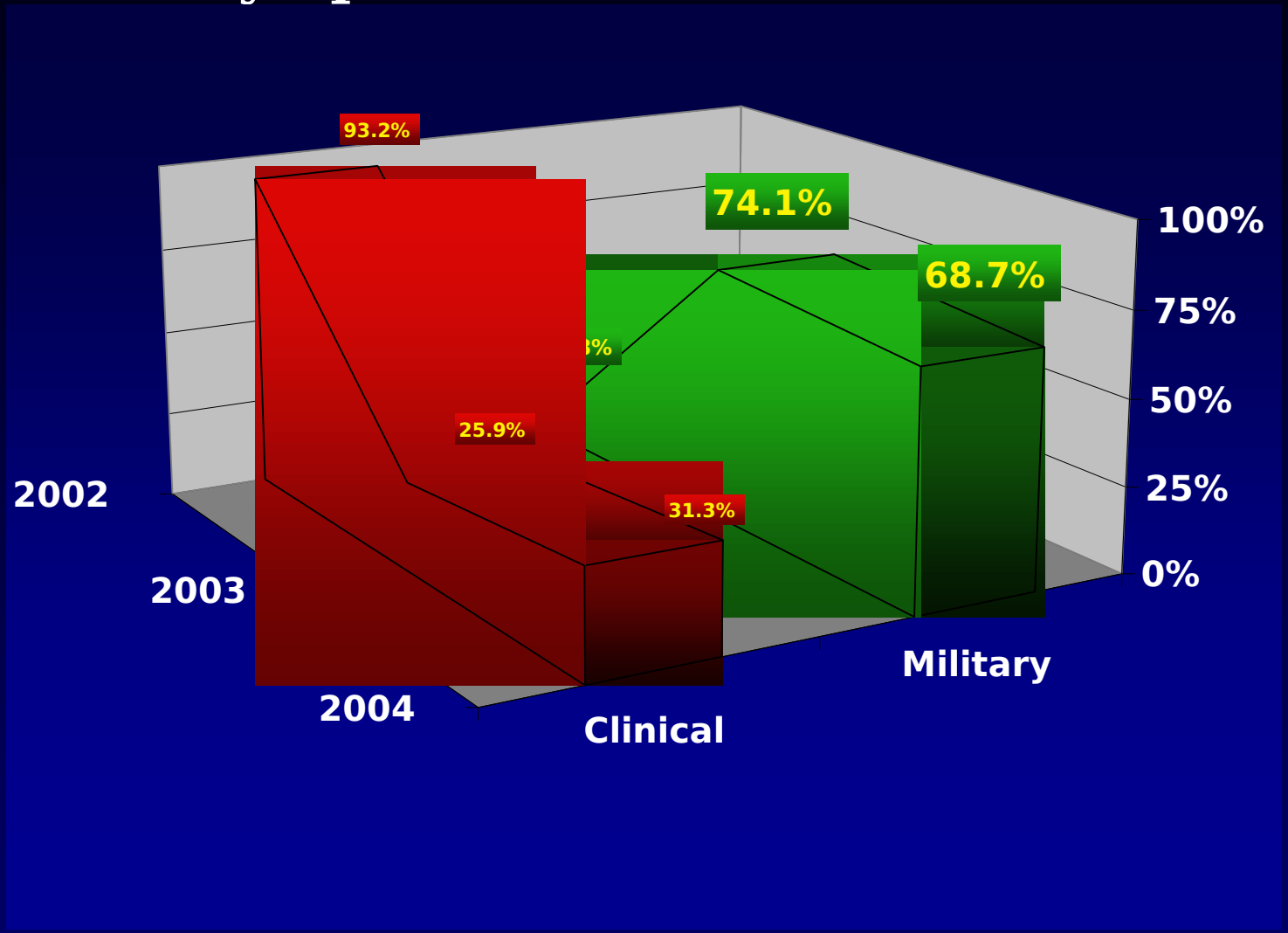
Military Specific



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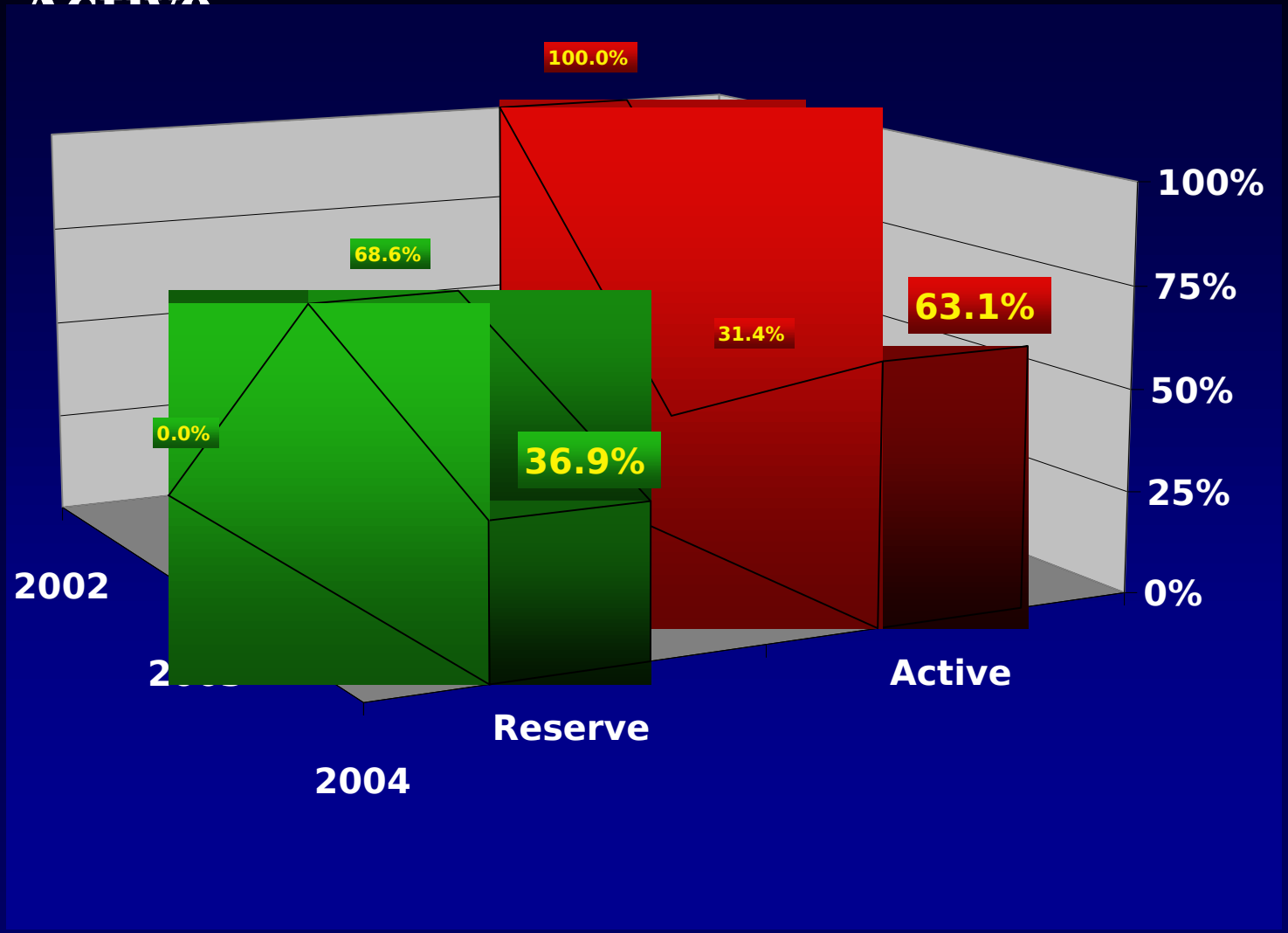
Reserve vs.
Active



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- What Are We Doing?
  - Trauma/Medical Training (ATLS/ACLS)
  - Providing Exposure
    - To New People
    - To New Equipment (Military)
  - Full Time vs. Part Time Medic
  - Crisis Resource Management (CRM)

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- Principles of CRM
  - Establish Leadership And Support For The Leader
  - Recognize Specific Functions Of The Leader
  - Communication Is Important
  - Continual Reassessment Is Required

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- Principles of CRM
  - Use All Available Resources
  - Avoid Fixation Of Goals And Ideas (Preoccupation)
  - Consideration Of Personality Traits For Optimal Group Performance

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- Team Behaviors
  - Be Prepared
  - Communication
  - Leadership
  - Resources
  - Call For Help
  - Re-evaluation
  - Team Awareness
  - Triage & Prioritization
  - Efficient Management
  - Cope With Distractions

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- “Classic” Crew Resource Management
  - Delegation Of Tasks
  - Assignment Of Responsibilities
  - Priority Assessment
  - Monitoring/Cross Checking
  - Use Of Information

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- Crew Resource Management (Continued)
  - Communication
  - Leadership
  - Problem Assessment
  - Avoidance Of Preoccupation

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- Key Concepts
  - What Is A Leader?
  - What Is A Follower?
- Communication
- Global Assessment
- Support
- Resources

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- What is a Leader?
  - Steps Back And Manages An Event
  - Sets Clear Goals
  - Organizes The Team
  - Delegates Responsibility
  - Distributes Work Appropriately

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- What is a Follower?
  - Assumes Assigned Responsibilities
  - Feeds Back Event Management Data
  - Provides Task And Cognitive Support
  - Owns Delegated Problems
  - Roles Can Be Exchanged

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- Communication
  - Addresses People Directly
  - Declares An Emergency With Urgency Not Panic
  - Use Nonjudgmental Comments
  - Provide Feedback

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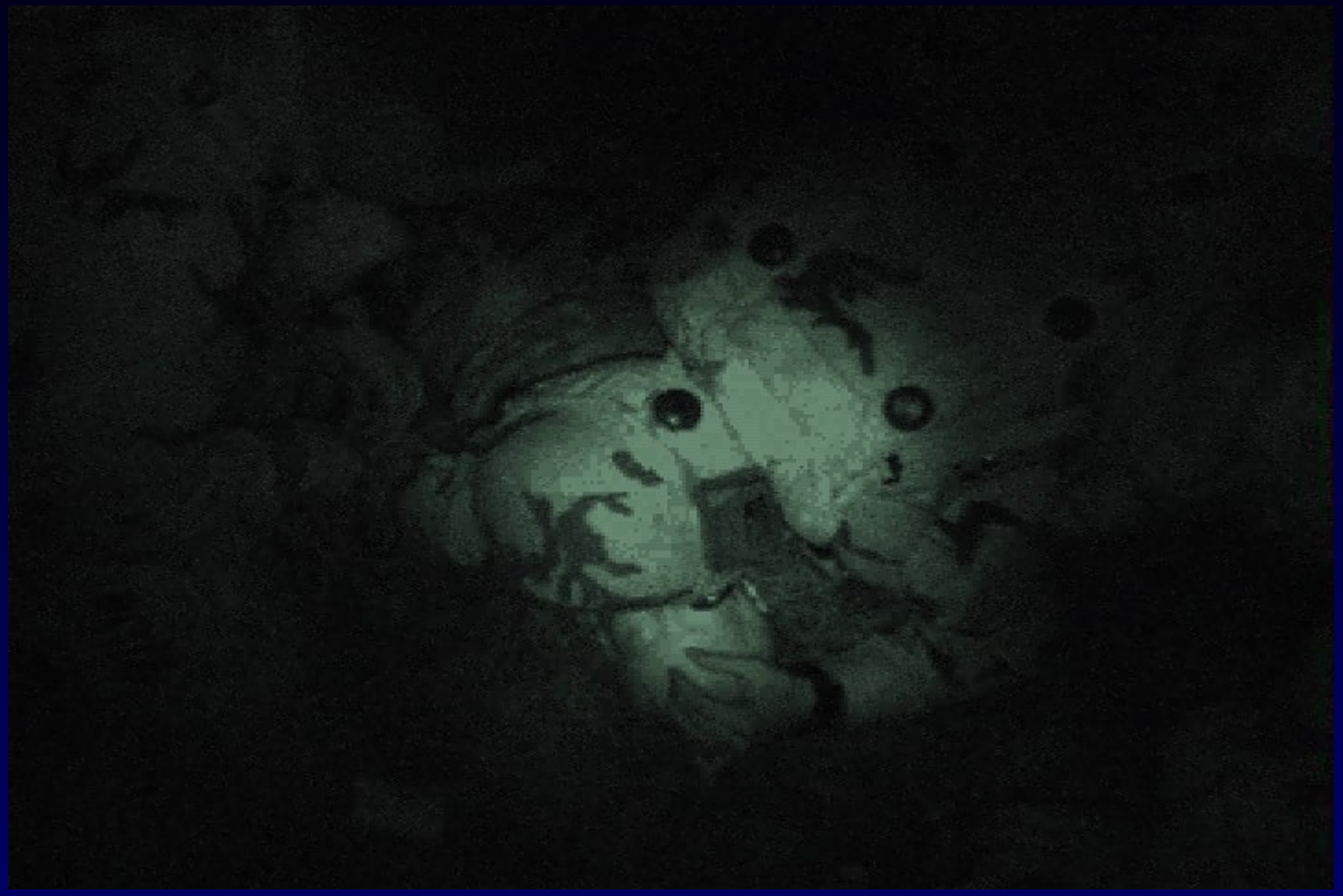

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Concepts And The Future

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- Concepts And The Future
  - People
  - Equipment
  - Money
  - “Validation”

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- People and Equipment
  - Lancer Summit
    - 1/25th Stryker Brigade

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- Lancer Summit 2004

	1/28	1/29	1/31	2/2	2/3	2/4	Total
Hours							
Staff/Support Staff Work	70	70	70	130	94	4	438
Training	6	6	6	10	10	3	41
Individuals Trained							
Direct Medical Care	20	10	10	20	20	3	83
Supportive Care	35	30	30	30	30		155

Andersen Simulation Cente

- Lancer Summit 2004

	1/28	1/29	1/31	2/2	2/3	2/4	Total
Hours							
Staff/Support Staff Work	70	70	70	130	94	4	438
Training	6	6	6	10	10	3	41
Individuals Trained							
Direct Medical Care	20	10	10	20	20		80
Supportive Care	35	30	30	30	30		155

10 to 1 Time Requirement
(Staff Time to Training Time)

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- People
  - Large FTE Requirement
    - Need Pool Of Available Trainers
      - Full Time Mission Met
      - Training Requirements Not Met
    - Maintenance of Training

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- Equipment Lessons Learned
  - 4 SimMen Used
  - 4 SimMen Broken
  - Cannot Get Wet (At All)
  - Not Very Portable
  - Not Realistic w/r to Front Line Evacuation

Andersen Simulation Cente

- Equipment Lessons Learned
  - 4 SimMen Used
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  - Cannot Get Wet (At All)
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  - Not Realistic w/r to Front Line Evacuation

Covered By Company **This Time Only**

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- Equipment
  - Simulators Not Good For Front Line
  - Expensive
  - Need For Military Specific Equipment (DEPMEDS, FST, etc.)

Money

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- **Budget**

2002	2003	2004
($300)	$3,000	$4,700

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- **Donated /Lateral Transfer**

SimMan Patient Simulators (4 @ $30,000+)	$150,000
Computers/Miscellaneous Equipment	$20,000

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ASC Budget/GME Money

MAMC Material Branch (Simulation Consumables)	$3,328.06
Simulation Supplies (fake blood, wig, etc.)	$3,221.34
Transbronchial Biopsy Module for Accutouch	$5,000.00

Departmental Contributions

EGD Module For AccuTouch (Surgery)	$5,000.00

Readiness

Accutouch Endoscopy System (SMART Team)	$62,000.00

GWOT

Simulation Technology (Ultrasound)	$75,000.00
Remodel Of New Facility	$260,000.00
Consumables/Replacement Parts (81st/Lancer Summit)	$12,000.00
Credit Card Purchases Allocated To GWOT Funds	$2,460.00
MAMC Material Branch For Consumables	$163.60

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$428,173

ASC Budget/GME Money

MAMC Material Branch (Simulation Consumables)	$3,328.06
Simulation Supplies (fa[illegible], wig, etc.)	$3,22[illegible].34
Transbronchial Biopsy Module for Accutouch	$5,000.00

Departmental Contributions

EBUS Module for Accutouch (Surgery)	$5,000.00

Readiness

Accutouch Endoscopy System (SMART Team)	$62,000.00

GWOT

Simulation Technology (Ultrasound)	$75,000.00
Remodel Of New Facility	$260,000.00
Consumables/Replacement Parts (81st/Lancer Summit)	$12,000.00
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- Money
  - How Can We Fund Future Training?
    - Equipment
    - Consumables
    - FTE’s

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- Money
  - Equipment Specific
    - Sustainment Of Equipment
    - New Equipment

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- Validation
  - We Can’t Validate
  - Who Should?
  - How Formal Are The Guidelines?
  - Are They Appropriate In All Situations?

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- Validation
  - Currently Offer Medical Training
  - Can Comment on Pass/Fail Of Individuals
  - Need Guidelines For Groups/Units

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- Conclusions
  - Uniformly Well Accepted Training
  - Large Requirement For:
    - Personnel, Money and Time
  - Look At The Validation Process

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Joseph P. Miller
LTC, MC, USA
O: (253) 968-1975
P: (253) 596-7955
E-Mail:
joseph.miller@nw.amedd.army.mil